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09945182

FIGURE 1

COMPARISON OF HUMAN V1-1 VS. HUMAN MP-52

| | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| V1-1 | Ser | Arg | Cys | Ser | Arg | Lys | Pro | Leu | His | Val | Asp | Phe | Lys | Glu | Leu |
| 1 | AGC | CGC | TGC | AGC | CGC | AAG | CCG | TTG | CAC | GTG | GAC | TTC | AAG | GAG | CTC |
| | | | | | | | | | | | | | | | |
| MP52 | GCT | CGC | TGC | AGT | CGG | AAG | GCA | CTG | CAT | GTC | AAC | TTC | AAG | GAC | ATG |
| 1 | Ala | Arg | Cys | Ser | Arg | Lys | Ala | Leu | His | Val | Asn | Phe | Lys | Asp | Met |
| 16 | Gly | Trp | Asp | Asp | Trp | Ile | Ile | Ala | Pro | Leu | Asp | Tyr | Glu | Ala | Tyr |
| 46 | GGC | TGG | GAC | GAC | TGG | ATC | ATC | GCG | CCG | CTG | GAC | TAC | GAG | GCG | TAC |
| | | | | | | | | | | | | | | | |
| 46 | GGC | TGG | GAC | GAC | TGG | ATC | ATC | GCA | CCC | CTT | GAG | TAC | GAG | GCT | TTC |
| 16 | Gly | Trp | Asp | Asp | Trp | Ile | Ile | Ala | Pro | Leu | Glu | Tyr | Glu | Ala | Phe |
| 31 | His | Cys | Glu | Gly | Leu | Cys | Asp | Phe | Pro | Leu | Arg | Ser | His | Leu | Glu |
| 91 | CAC | TGC | GAG | GGC | CTT | TGC | GAC | TTC | CCT | TTG | CGT | TCG | CAC | CTC | GAG |
| | | | | | | | | | | | | | | | |
| 91 | CAC | TGC | GAG | GGG | CTG | TGC | GAG | TTC | CCA | TTG | CGC | TCC | CAC | CTG | GAG |
| 31 | His | Cys | Glu | Gly | Leu | Cys | Glu | Phe | Pro | Leu | Arg | Ser | His | Leu | Glu |
| 46 | Pro | Thr | Asn | His | Ala | Ile | Ile | Gln | Thr | Leu | Leu | Asn | Ser | Met | Ala |
| 121 | CCC | ACC | AAC | CAT | GCC | ATC | ATT | CAG | ACG | CTG | CTC | AAC | TCC | ATG | GCA |
| | | | | | | | | | | | | | | | |
| 121 | CCC | ACG | AAT | CAT | GCA | GTC | ATC | CAG | ACC | CTG | ATG | AAC | TCC | ATG | GAC |
| 46 | Pro | Thr | Asn | His | Ala | Val | Ile | Gln | Thr | Leu | Met | Asn | Ser | Met | Asp |
| 61 | Pro | Asp | Ala | Ala | Pro | Ala | Ser | Cys | Cys | Val | Pro | Ala | Arg | Leu | Ser |
| 181 | CCA | GAC | GCG | GCG | CCG | GCC | TCC | TGC | TGT | GTG | CCA | GCG | CGC | CTC | AGC |
| | | | | | | | | | | | | | | | |
| 181 | CCC | GAG | TCC | ACA | CCA | CCC | ACC | TGC | TGT | GTG | CCC | ACG | CGG | CTG | AGT |
| 61 | Pro | Glu | Ser | Thr | Pro | Pro | Thr | Cys | Cys | Val | Pro | Thr | Arg | Leu | Ser |
| 76 | Pro | Ile | Ser | Ile | Leu | Tyr | Ile | Asp | Ala | Ala | Asn | Asn | Val | Val | Tyr |
| 226 | CCC | ATC | AGC | ATC | CTC | TAC | ATC | GAC | GCC | GCC | AAC | AAC | GTT | GTC | TAC |
| | | | | | | | | | | | | | | | |
| 226 | CCC | ATC | AGC | ATC | CTC | TTC | ATT | GAC | TCT | GCC | AAC | AAC | GTG | GTG | TAT |
| 76 | Pro | Ile | Ser | Ile | Leu | Phe | Ile | Asp | Ser | Ala | Asn | Asn | Val | Val | Tyr |
| 91 | Lys | Gln | Tyr | Glu | Asp | Met | Val | Val | Glu | Ala | Cys | Gly | Cys | Arg | |
| 271 | AAG | CAA | TAC | GAG | GAC | ATG | GTG | GTG | GAG | GCC | TGC | GGC | TGC | AGG | |
| | | | | | | | | | | | | | | | |
| 271 | AAG | CAG | TAT | GAG | GAC | ATG | GTC | GTG | GAG | TCG | TGT | GGC | TGC | AGG | |
| 91 | Lys | Gln | Tyr | Glu | Asp | Met | Val | Val | Glu | Ser | Cys | Gly | Cys | Arg | |

Homology at the nucleotide level: 249/312 = 79.8%
 Homology at the amino acid level: 84/104 = 80.8%